Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/24/2018 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124359	-1	1.51	124363	1.55
Blue	F	SSC	125000	123327	-2	2.98	124026	3.02
Blue	E	FITC	15492	15158	-3	3.42	352	22.27
Blue	D	PE	28736	27987	-3	2.49	617	16.35
Blue	B	PerCP-Cy5-5	41413	41048	-1	4.37	1125	22.95
Blue	A	PE-Cy7	31321	31215	-1	7.06	563	48.62
Red	C	APC	41673	41010	-2	2.83	1586	13.55
Red	A	APC-Cy7	29962	29501	-2	2.90	738	13.81
Violet	B	V450	8318	7996	-4	4.27	448	14.98
Violet	A	V500	34199	33618	-2	3.94	809	11.50

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19947	3.79	607	-6	N/A	N/A	Pass
Blue	F	SSC	55965	2.24	574	6	N/A	N/A	Pass
Blue	E	FITC	59	76.03	557	-4	0.0154	203	Pass
Blue	D	PE	124	57.86	556	-4	0.1326	306	Pass
Blue	B	PerCP-Cy5-5	209	56.94	663	-4	0.0074	84	Pass
Blue	A	PE-Cy7	109	123.55	718	-4	0.0088	29	Pass
Red	C	APC	362	28.14	599	-2	0.0181	48	Pass
Red	A	APC-Cy7	183	30.85	574	-2	0.0048	950	Pass
Violet	B	V450	66	72.83	472	-5	0.0393	2292	Pass
Violet	A	V500	115	41.93	490	-4	0.0189	1351	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.29	-31.96	1.16
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	17.24	13.60 - 20.40	N/A	N/A	29.13	29.49	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10489

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments